



Dolphin[®] charger



PRO HD+ Series

24V40A, 24V60A and 24V100A

24V

40A → 100A



The DOLPHIN PRO HD+ battery charger is designed to perform as a battery charger / power supply for the demanding requirements of marine, oil & gas, offshore and other DC applications.

Customer typical application includes hydrographic and oceanographic vessels, workboats, supply boats, crane vessels, barge, high speed ferry, small cruise, fishing vessels, research vessels, coast guard vessels.

The DNV-GL type approval assures potential users that the DOLPHIN PRO HD+ has undergone rigorous testing and has been determined to meet the highest quality standards. The DNV-GL assessment process is built upon marine electrical engineer and recognized by shipyards, electrical sub-contractors, and major clients throughout the world.

To achieve DNV-GL's approval, DOLPHIN PRO HD+ charger was tested by international recognised laboratories in accordance with the standard set out by IEC 60335-1 & IEC 60335-2-29, low temperature & vibration tests, Humidity / Damp heat tests in accordance with SfC No. 2.4 Class A.

Standard features include multi-stage charging, low output ripple, temperature compensation, protection, control information with unique 2.5" Touch Led HMI display, Can Bus interface and alarms contact.

Main markets: France, Singapore, Qatar, Iceland, Italy, Canada, Turkey, Spain, UAE, Australia, Greece, Egypt, India.



Technical specifications

	24V/40A	24V/60A	24V/100A
Input			
Input voltage	115/230V (+/-15%)		230V (+/-15%)
Frequency	50/60 hz		
Cos	> 0,9		
Efficiency	87%		
Max. Current 115V/230V	14A/6A	15A/9A	17A
Fuse (6,3x32mm)	T20A	T20A	2T20A
Output			
Number of output	3 isolated (Full power)		
Number of charging curves	Open lead acid / Sealed lead acid / Lead calcium / calcium calcium / Spiral cell AGM / Winterizing open lead acid / Odyssey Marine / GEL AGM/ Power supply / LifePo4 + BMS		
Charging curve	I.U.U.o		
Voltage share	+/-2%		
Max. Amp	40A	60A	100A
Battery capacity	200 ÷ 400 Ah	300 ÷ 600 Ah	500 ÷ 1000 Ah
Fuse (auto mini)	4F30A	3F25A	5F30A
Protections			
Auto restart when alarm disappears	Output current limited / Output short circuit / Overload output voltage / Reverse polarity / Over temperature		
Generalities			
Display	Multicolor 2,4" touch TFT		
Operating t°	-10°C to +55°C (Full power till +50°C)		
Storage t°	-20°C to +65°C		
Humidity	10% to 95% (without condensation)		
IP Rating	IP22		
Convection	Force fan adjustable speed cooling		
Housing	Grey Powder coating aluminium		
Mounting	Wall mounted 4 x M4 Screws		
Dimensions D x W x H	128 x 346 x 358 mm	196 x 346 x 358 mm	
Weight	6 Kg	11,5 Kg	
AC Connection	3-point cage terminal 10mm ² max		
DC Terminal	4M8 Terminals		
Output alarm contact	1A 30V NO		
Battery temperature sensor	2-point 1,5mm ² cage terminal		
External touch screen control panel (Touchview)	RJ45		
CAN Bus connection	2 Micro-Fit & RJ11		
Standards			
Marine Type Approval	DNV GL Certificate No TAE00003R1		
Safety	EN 60335-1 & IEC 60335-2-29		
Mechanical & Environmental	IEC 60068-2-30/1/52 (climatic, salt spray)		
EMC	EN 55016, IEC 61000		
Low temperature & Vibration tests, Damp heat tests and EMC	In accordance with SfC No. 2.4 Class B		
Part Number	399165	399175	399185